

in said matrix material, wherein a thermal conductivity of said fillers is considerably higher than a thermal conductivity of said matrix material; and

at least a portion of said fillers comprising metallic fillers arranged to improve thermal conductivity of said elastic coating layer such that heat is dissipated toward the hard roller core and dissipated axially by the hard roller core, wherein the elastic coating layer has a smooth surface structured and arranged for smoothing paper webs.

42. (Amended) A process for producing an elastic roller that includes an elastic coating layer located on an outer side of a hard roller core, the process comprising:

C2 imbedding metallic fillers into an elastic matrix material, wherein a thermal conductivity of the fillers is considerably higher than a thermal conductivity of the matrix material; and

applying the combined elastic matrix material and fillers onto an outer side of the hard roller core to form the elastic coating layer,

wherein at least a portion of the fillers comprise metallic fillers arranged in the elastic coating to improve thermal conductivity of the elastic coating layer such that heat will be dissipated toward the hard roller core and dissipated axially by the hard roller core, and wherein the elastic coating layer has a smooth surface structured and arranged for smoothing paper webs.

REMARKS

Summary of the Amendment